

1-GATEWAY
09/025,143In the Claims:

Claims 1-15 (previously cancelled)

16. (cancelled) A computer readable medium comprising digital data, said digital data comprising:

one or more computer programs for storing object definition information, said programs comprising a parser for object definition information;

an object factory for instantiating object encapsulating said objects encapsulating said object interface information without translating the object definition information, said objects having predefined interfaces in CORBA IDL; and

a root encapsulator object for resolving object definition name information into an object reference for an encapsulator object corresponding to an object definition type.

Claims 17-18 (previously cancelled)

19. (cancelled) A computer readable medium comprising digital data, said digital data comprising:

one or more software objects, said software objects comprising at least one interface defined in a first notation for manipulating an object having an interface at least partially defined in a second notation without translating the at least partial definition from the second notation into the first notation, said second notation being different from said first notation, wherein the first notation comprises CORBA IDL and the second notation comprises ASN.1.

Claim 20 (previously cancelled)

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21. (cancelled) A method of constructing an object invocation comprising the steps of:

- instantiating an object collection of objects corresponding to rules specifying the syntax of said object invocation;
- receiving information of the content of the object invocation; and
- interrogating the object collection with the information to determine a set of objects sufficient to construct the invocation without translating the information into the syntax of the object invocation.

22. (cancelled) A method for constructing an object invocation comprising the steps of:

- instantiating an object collection of objects corresponding to rules specifying the syntax of said object invocation;
- receiving information of the content of the object invocation; and
- interrogating the collection of objects with the information to determine one or more objects within the object collection required to construct the invocation.

23. (Newly added) A computer readable medium comprising digital data, said digital data comprising:

- one or more computer programs for storing object definition information, said programs comprising a parser for object definition information;
- an object factory for instantiating objects encapsulating said object definition information without translating the object definition information, said objects having predefined interfaces in CORBA IDL; and
- a root encapsulator object for resolving object definition name information into an object reference to an encapsulator object corresponding to an object definition type.

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24. (Newly added) A computer readable medium comprising digital data, said digital data comprising:

one or more software objects, said software objects comprising at least one interface defined in a first notation for manipulating an object having an interface at least partially defined in a second notation without translating the at least partial definition from the second notation into the first notation, said second notation being different from said first notation, wherein the first notation comprises CORBA IDL and the second notation comprises ASN.1.

25. (Newly added) A method of constructing an object invocation comprising the steps of:

instantiating an object collection of objects corresponding to rules specifying the syntax of said object invocation;

receiving information of the content of the object invocation; and

interrogating the object collection with the information to determine a set of objects sufficient to construct the invocation without translating the information into the syntax of the object invocation.

26. (Newly added) A method facilitating a calling object to invoke a target object, said method comprising the steps of:

instantiating one or more objects corresponding to an interface associated with said target object, each of said objects having an interface defined in a first notation and each such interface being pre-defined and non-application specific, said target object's interface defined in a second notation; and

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facilitating said calling object to call said target object by invoking said one or more objects defined in said first notation without generating a new interface defined in said first notation.

27. (Newly Added) A method facilitating a calling object to invoke a target object, as per claim 26, wherein said first notation comprises CORBA IDL.

28. (Newly Added). A method facilitating a calling object to invoke a target object, as per claim 26, wherein said second notation comprises ASN.1.

29. (Newly Added). A method facilitating a calling object to invoke a target object, as per claim 26, wherein said second notation comprises GDMO.

30. (Newly Added) A method to obtain object definition information regarding an interface associated with a target object, said method comprising the steps of:

instantiating one or more objects corresponding to an interface associated with said target object, each of said objects having an interface defined in a first notation and each such interface being pre-defined and non-application specific, said target object's interface defined in a second notation; and

obtaining object definition information regarding said target object by invoking said one or more objects defined in said first notation without generating a new interface defined in said first notation.

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31. (Newly Added) A method to obtain object definition information regarding an interface associated with a target object, as per claim 30, wherein said first notation comprises CORBA IDL.

32. (Newly Added). A method to obtain object definition information regarding an interface associated with a target object, as per claim 30, wherein said second notation comprises ASN.1.

33. (Newly Added). A method to obtain object definition information regarding an interface associated with a target object, as per claim 30, wherein said second notation comprises GDMO.

34. (Newly added) An article of manufacture comprising a computer usable medium having computer readable program code facilitating a calling object to invoke a target object, said medium comprising:

computer readable program code instantiating one or more objects corresponding to an interface associated with said target object, each of said objects having an interface defined in a first notation and each such interface being pre-defined and non-application specific, said target object's interface defined in a second notation; and

computer readable program code facilitating said calling object to call said target object by invoking said one or more objects defined in said first notation without generating a new interface defined in said first notation.

35. (Newly Added) An article of manufacture comprising a computer usable medium having computer readable program code facilitating the reception of object definition information regarding an interface associated with a target object, said medium comprising:

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computer readable program code instantiating one or more objects corresponding to an interface associated with said target object, each of said objects having an interface defined in a first notation and each such interface being pre-defined and non-application specific, said target object's interface defined in a second notation; and

computer readable program code facilitating the reception of object definition information regarding said target object by invoking said one or more objects defined in said first notation without generating a new interface defined in said first notation.
